

Franklin County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors 6/26/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 19 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Franklin County economy.¹

These 19 sectors have a total direct output of approximately **\$235.1 million** and support **1,389 jobs** in Franklin County. Running the model for all 19 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Franklin County Economy					
Contribution Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵
Direct Effect	1389.0	9.78%	\$82,130,253	9.61%	\$235,143,282
Indirect Effect	151.7	1.07%	\$10,851,786	1.27%	\$20,642,209
Induced Effect	148.1	1.04%	\$8,356,933	0.98%	\$15,447,193
Total Effect	1688.8	11.89%	\$101,338,972	11.86%	\$271,232,684

As shown in the above table, agriculture, food, and food processing sectors support **1,689 jobs**, or **11.89%** of the entire workforce in the county.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 19 agriculture, food, and food processing sectors is approximately **\$101.4 million**, or **11.86% of the GRP**.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

¹ Article on building a contribution analysis in IMPLAN that avoids double counting:

<https://implanhelptest.zendesk.com/hc/en-us/articles/115002801513-Considerations-of-Contribution-Analysis>

² Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

³ Value added = labor income + indirect business taxes + other property type income.

⁴ GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

⁵ Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **592 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Franklin County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	591.7	\$46,880,052
Farm machinery and equipment manufacturing	199.2	\$81,100,792
All other crop farming	141.5	\$7,658,887
Landscape and horticultural services	113.4	\$5,249,978
Dairy cattle and milk production	105.5	\$39,812,051
Grain farming	52.0	\$13,133,524
Oilseed farming	37.0	\$27,019,667
Veterinary services	35.5	\$3,891,066
Animal production, except cattle and poultry and eggs	35.1	\$3,057,157
Wholesale trade	34.5	\$7,025,258

The farm machinery and equipment manufacturing sector directly contributes approximately **\$81.1 million** to the Franklin County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output		
Sector	Total Employment	Total Output
Farm machinery and equipment manufacturing	199.2	\$81,100,792
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	591.7	\$46,880,052
Dairy cattle and milk production	105.5	\$39,812,051
Oilseed farming	37.0	\$27,019,667
Grain farming	52.0	\$13,133,524
All other crop farming	141.5	\$7,658,887
Wholesale trade	34.5	\$7,025,258
Landscape and horticultural services	113.4	\$5,249,978
Veterinary services	35.5	\$3,891,066
Owner-occupied dwellings	0.0	\$3,478,850

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Franklin County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	37.0	\$27,019,666.67
Grain farming	52.0	\$13,133,523.94
Vegetable and melon farming	0.3	\$62,475.26
Fruit farming	4.3	\$366,025.24
Tree nut farming	0.3	\$42,969.58
Greenhouse, nursery, and floriculture production	16.3	\$2,367,171.76
All other crop farming	141.5	\$7,658,886.91
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	591.7	\$46,880,050.66
Dairy cattle and milk production	105.5	\$39,812,049.87
Poultry and egg production	0.3	\$219,339.74
Animal production, except cattle and poultry and eggs	35.1	\$3,057,157.04
Commercial logging	3.1	\$261,009.60
Commercial hunting and trapping	0.8	\$16,096.00
Support activities for agriculture and forestry	32.5	\$1,654,422.16
Bread and bakery product, except frozen, manufacturing	19.2	\$2,209,453.11
Frozen cakes and other pastries manufacturing	0.9	\$141,146.82
Farm machinery and equipment manufacturing	199.2	\$81,100,791.93
Veterinary services	35.5	\$3,891,065.84
Landscape and horticultural services	113.4	\$5,249,978.07

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Franklin County, the retail sector was omitted.